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New records of three Philotrypesis species from Taiwan(Hymenoptera:Sycoryctinae) 【Research report】

台灣產管榕小蜂屬之三新記錄種(膜翅目：榕小蜂科：掘榕小蜂亞科)【研究報告】

Liang-Yih Chou* and Chen-Yu Wong
周樑鎰*、翁振宇

*通訊作者E-mail :

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Abstract

Three species of the genus Philotryoesis Goerster (Hymenoptera:Agaonidae:Sycoryctinae), P. distillatoria Grandi, P. jacobsoni Grandi, and P. spinipes Mayr, are recorded from Taiwan for the first time in this paper.

摘要

本文首次記錄飼育自植物之臺灣產3種管榕小蜂，Philotrypesis distillatoria Grandi, P. jacobsoni Grandi及P. spinipes Mayr。

Key words: Philotrypes, Ficus, Agaonidae, Taiwan, Taxonomy.
關鍵詞: 管榕小蜂屬、榕屬、榕小蜂科、分類、臺灣。

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New Records of Three *Philotrypesis* Species from Taiwan (Hymenoptera: Agaonidae: Sycoryctinae)

Liang-Yih Chou* and Chen-Yu Wong Department of Applied Zoology, Taiwan Agricultural Research Institute, Wufeng, Taichung, Taiwan 413, R.O.C.

ABSTRACT

Three species of the genus *Philotrypesis* Foerster (Hymenoptera: Agaonidae: Sycoryctinae), *P. distillatoria* Grandi, *P. jacobsoni* Grandi, and *P. spinipes* Mayr, are recorded from Taiwan for the first time in this paper.

Key words: *Philotrypesis, Ficus*, Agaonidae, Taiwan, Taxonomy

Introduction

The genus *Philotrypesis* Foerster is immediately recognized by the tubularly lengthened seventh and eighth metasomal terga of the female, and by the deeply emarginate hypostomal edge of the male (Berg and Wiebes, 1992). Species of this genus are phytophagous species ovipositing from outside of the fig (Boucek, 1988). This genus contains about 38 species in the world. Only one species, *Philotrpesis emeryi* Grandi has been known to occur in Taiwan (Chang, 1983). In this paper 3 species of *Philotrypesis* are recorded from Taiwan for the first time. All of these species were reared from *Ficus* trees. The specimens used in this study are deposited in the Insect Collection of the Taiwan Agricultural Research Institute, Taichung, Taiwan, R.O.C.

Philotrypesis distillatoria Grandi (Fig. 1)

Philotrypesis distillatoria Grandi, 1926. Treubia 8: 363. - Grandi, 1930. Boll. Lab. Entomol. Bolgna 3:141.

Material examined: PINGTUNG: Kenting, 21 ♀, 4-V-1983 (C. H. Chen & C. Y. Wong).

Distribution: Sumatra (Grandi, 1930; Wiebes,1966) and Taiwan (new record).

Host: *Ficus benjamina* L. var. *bracteata*

*Correspondence / reprint request address

Corner.

Philotrypesis jacobsoni Grandi (Fig. 2)

Philotrypesis jacobsoni Grandi, 1926. Treubia 8: 359. - Grandi, 1930. Boll. Lab. Entomol. Bolgna 3:128.

Material examined: TAICHUNG: Wufeng, 40 ♀, 8-IX-1992 (C. Y. Wong).

Distribution: Sumatra (Grandi, 1930; Wiebes, 1966) and Taiwan (new record).

Host: *Ficus ampelas* Burm.

Philotrypesis spinipes Mayr (Fig. 3)

Philotrypesis spinipes Mayr, 1885. Verh. Zool. Bot. Gesellsch. Wien 35:223. - Grandi, 1930. Boll. Lab. Entomol. Bolgna 3: 154.

Material examined: CHANGHUA: Tienwei, 9 ♀, 2-X-1992. TAICHUNG: Nantun, 15 ♀, 11-X-1992 (C. Y. Wong); Takeng, 8 ♀, 26-IX-1992, & 15 ♀, 11-X-1992 (C. Y. Wong).

Distribution: Java, Borneo (Grandi, 1930; Wiebes, 1966) and Taiwan (new record).

Host: *Ficus septica* Burm.

Acknowledgement

We wish to express our hearty thanks to Professor Jih-Ching Liao for the identification of *Ficus* spp.

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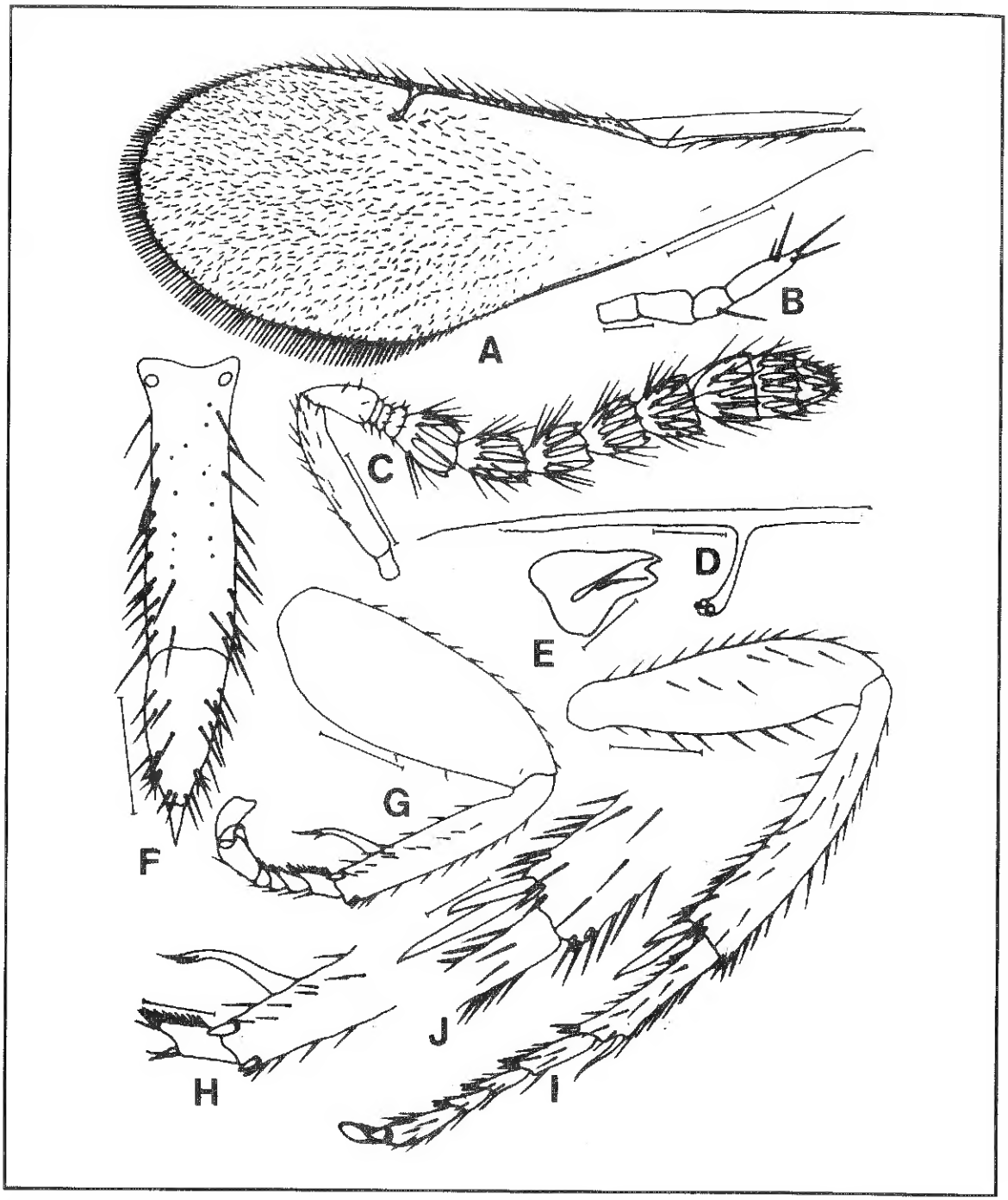

Fig. 1. *Philotrypesis distillatoria* Grandi, female: A, forewing; B, maxillary palp; C, antenna; D, forewing stigmal vein; E, mandible; F, metasomal tergum VII-VIII; G, fore leg; H, protibia; I, hind leg; J, metatibia (Scale: B = 0.02 mm; D, E, H, J = 0.05 mm; A, C, F, G, I = 0.1 mm).

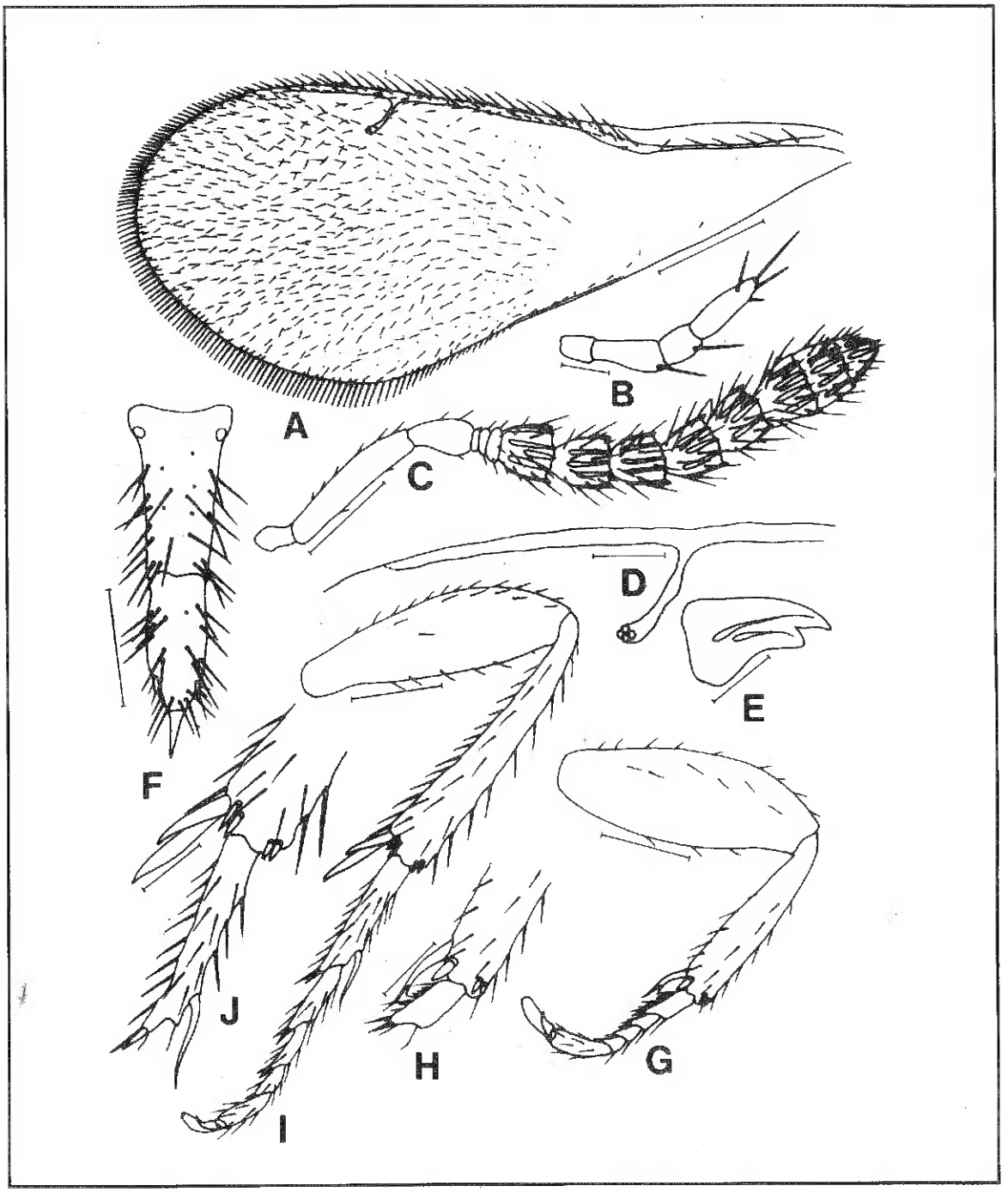

Fig. 2. *Philotrypesis jacobsoni* Grandi, female. A-J same as Fig. 1.

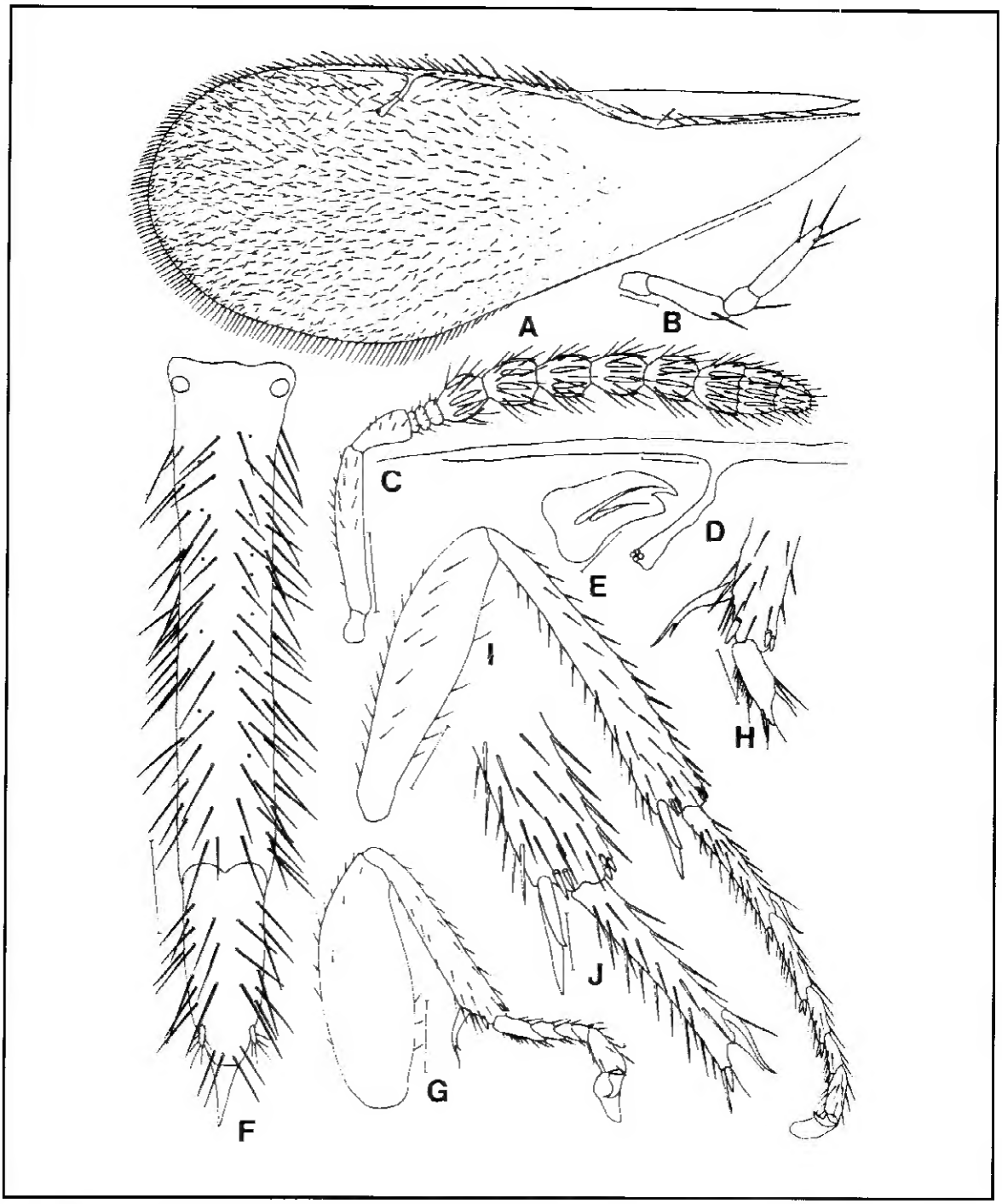

Fig. 3. *Philotrypesis spinipes* Mayr, female. A-J same as Fig. 1.

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臺灣產管榕小蜂屬之三新記錄種 (膜翅目：榕小蜂科：掘榕小蜂亞科)

周樑鎰* 翁振宇 臺中縣霧峰鄉臺灣省農業試驗所應用動物系

摘 要

本文首次記錄飼育自榕屬植物之臺灣產3種管榕小蜂, *Philotrypesis distillatoria* Grandi, *P. jacobsoni* Grandi 及 *P. spinipes* Mayr。

關鍵詞：管榕小蜂屬、榕屬、榕小蜂科、分類、臺灣

*抽印本索取及論文聯繫之負責人